

Claims

What is claimed is:

1. A reflector for an incandescent lamp, which is shell-like, has a light-reflecting inner side, a bottom region and a light exit opening, an aperture for an incandescent lamp being arranged in the bottom region, wherein said light-reflecting inner side is curved in such a way that the reflector has two focal lines.
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2. The reflector as claimed in claim 1, wherein the two focal lines are arranged in a common plane.
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3. The reflector as claimed in claim 1, wherein the inner edge of the light exit opening is elliptical.
4. The reflector as claimed in claim 2 or 3, wherein, in an arbitrary cross-sectional plane running through the reflector at right angles to the focal lines, the light-reflecting inner side of the reflector has an elliptical contour, the focal points of the elliptical contour being arranged at the point of intersection in each case of one of the focal lines with the cross-sectional plane.
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- 20 5. The reflector as claimed in claim 4, wherein, in the cross-sectional plane through the reflector running parallel to the focal lines and containing the minor semi-axes of the elliptical contours, the light-reflecting inner side of the reflector has a parabolic contour.
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6. The reflector as claimed in claim 1, wherein the outer edge of the light exit opening is circular.
7. The reflector as claimed in claim 1, wherein the reflector consists of a plastic.
- 30 8. A reflector lamp having a reflector and an incandescent lamp arranged therein,

- the incandescent lamp having an incandescent filament with at least two filament sections which are arranged parallel to each other and are used to emit light,

5 - the reflector being shell-like, having a light-reflecting inner side, a bottom region and a light exit opening, an aperture for the incandescent lamp being arranged in the bottom region,

wherein

10 - Said light-reflecting inner side of the reflector is curved in such a way that the reflector has two focal lines,

- said incandescent lamp is aligned in the reflector in such a way that the at least two filament sections are in each case arranged along one of the focal lines.

15 9. The reflector lamp as claimed in claim 8, wherein the two focal lines are arranged in a common plane.

10. The reflector lamp as claimed in claim 9, wherein, in an arbitrary cross-sectional plane through the reflector lamp running at right angles to the focal lines, the light-reflecting inner side of the reflector has an elliptical contour, the focal points of the elliptical contour being arranged at the point of intersection in each case of one of the focal lines with the cross-sectional plane.

25 11. The reflector lamp as claimed in claim 8, wherein the incandescent filament has two limbs that are connected to each other, at least one of the at least two filament sections being arranged on each of these limbs and each limb in each case being arranged in one of the focal lines of the reflector.

30 12. The reflector lamp as claimed in claim 10, wherein, in the cross-sectional plane through the reflector lamp running parallel to the focal lines and containing the minor semi-axes of the elliptical contours, the light-reflecting inner side of the reflector has a parabolic contour.